

Serial No. 10/790,890, filed 3/2/04

IN THE CLAIMS:

1.-4. (Cancelled)

5. (Previously Presented) A galley chiller system for an aircraft comprising:

at least one condenser having a fluid, said fluid in said at least one condenser rejecting heat to a first surrounding environment;

at least one evaporator receiving said fluid from at least one condenser, said fluid in said evaporator absorbing heat from a second surrounding environment including a galley cart and a third surrounding environment including an air duct of an aircraft cooling system, said at least one evaporator including a first evaporator absorbing heat from said second surrounding environment, and a second evaporator absorbing heat from said third surrounding environment;

a recirculation evaporator control valve;

a controller connected to said control valve controlling a flow of fluid through said control valve into said evaporators to obtain a desired proportion of fluid flow between said evaporators; and

a temperature sensor in said third surrounding environment detecting a temperature with said temperature sensor connected to said controller, said controller commanding said control valve in response to said temperature.

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6. (Previously Presented) A galley chiller system for an aircraft comprising:

at least one condenser having a fluid, said fluid in said at least one condenser rejecting heat to a first surrounding environment;

at least one evaporator receiving said fluid from at least one condenser, said fluid in said evaporator absorbing heat from a second surrounding environment including a galley cart and a third surrounding environment including an air duct of an aircraft cooling system, said at least one evaporator including a first evaporator absorbing heat from said second surrounding environment, and a second evaporator absorbing heat from said third surrounding environment;

a recirculation evaporator control valve; and

a controller connected to said control valve controlling a flow of fluid through said control valve into said evaporators to obtain a desired proportion of fluid flow between said evaporators, wherein opening said control valve increases the absorption of heat from the air duct, and closing said control valve increases the absorption of heat from the galley cart.

7. (Original) The galley chiller system according to claim 6, wherein opening said control valve decreases the flow of fluid to said first evaporator and increases the flow of fluid to said second evaporator, and closing said control valve increases the flow of fluid to said first evaporator and decreases the flow of fluid to said second evaporator.

8. (Original) The galley chiller system according to claim 6, wherein opening said control valve decreases a load on said aircraft cooling system.

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9.-11. (Cancelled)

12. (Previously Presented) A galley chiller system for an aircraft comprising:

at least one condenser having a fluid, said fluid in said at least one condenser rejecting heat to a first surrounding environment;

at least one evaporator receiving said fluid from at least one condenser, said fluid in said evaporator absorbing heat from a second surrounding environment including a galley cart and a third surrounding environment including an air duct of an aircraft cooling system; and

an air conditioning pack having a ram air duct with a liquid heat exchanger arranged in said ram air duct, said heat exchanger including a liquid cooling passage extending in a loop between said heat exchanger and said condenser, said fluid cooling passage at least partially defining said first surrounding environment.

13.-19. (Cancelled)